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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/870,491	06/01/2001	Chung-Wang Lee	LEEC3039/EM/6842	1030
23364	7590	11/18/2004	EXAMINER	
BACON & THOMAS, PLLC 625 SLATERS LANE FOURTH FLOOR ALEXANDRIA, VA 22314			DAVIS, CYNTHIA L	
			ART UNIT	PAPER NUMBER
			2665	

DATE MAILED: 11/18/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No. ☒

09/870,491

Applicant(s)

LEE ET AL.

Examiner

Cynthia L. Davis

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 June 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

1. Claims 1, 2 and 4 are rejected under 35 U.S.C. 102(a) as being anticipated by Fillebrown.

Regarding claim 1, a network system for transceiving various wireless network signals is disclosed in figure 1 of Fillebrown. At least one wireless network signal transceiver operable to receive wireless packet messages sent from one of a variety of electronic devices having a wireless network adapter with a unique wireless communication protocol installed therein is disclosed in figure 1, element 130. A router is disclosed in figure 1 element 140 (the wireless server acts to route packets between the wireless network and the internet). A wire connection for coupling said router to said wireless network signal transceiver and coupling said router to the internet respectively is disclosed in figure 1, elements 132 and 142. The wireless network signal transceiver determining the wireless communication protocol while reading the received wireless packet messages is disclosed in paragraphs 50 and 51 (the network supports various wireless protocols; it must be able to determine which protocol a packet is). Decoding said wireless packet messages based on the wireless communication protocol and converting said same into wire packet messages having formats

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acceptable to the wire connection, sending the wire packet messages to the internet through said wire connection and said router for effecting an exchange of packet message is disclosed in figure 1, elements 150 and 142, and paragraph 52 (since the wireless network is connected to the internet via a wired connection, the transceiver must be able to convert packets to the protocol used by the wired connection in order to communicate with the internet). Receiving said wire packet messages from said internet through said wire connection, performing a respective conversion and encoding on said wire packet messages based on encoding rules of a variety of wireless network communication protocols stored therein, and transmitting sequentially said encoded and converted wireless packet messages to said wireless network adapters is disclosed in elements 150 and 142, and paragraph 52 (since the wireless network is connected to the internet via a wired connection, the transceiver must be able to convert packets from the protocol used by the wired connection in order to communicate with the internet).

Regarding claim 2, the wireless network signal transceiver comprising a wireless signal transceiver module for receiving said wireless packet messages sent from said wireless network adapters is disclosed in figure 1, element 130, and figure 7. A plurality of wireless network interfaces each incorporating one of said wireless network communications protocols and coupled to said wireless transceiver module for receiving said wireless packet messages sent from said wireless signal transceiver module based on said incorporated said wireless network communication protocol is disclosed in paragraphs 50, 51, and 80 (the network can support various protocols; it must have a network interface for each). A memory for storing the rules of the wireless network

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communication protocols and network applications is disclosed in paragraphs 50 and 51, and figure 7, element 730 (the network can support various protocols; it must have a memory for the rules for each). A CPU for controlling said wireless network signal transceivers and decoding said received wireless packet messages based on said stored rules of said wireless network communication protocols is disclosed in figure 7, element 720. A wire connection interface for performing a routing, a bridging, a route selection and a net address transfer on said received wireless packet messages based on said network applications stored in said memory, converting said received wireless packet messages into said wire packet messages acceptable to said wire connection, and transmitting same into said internet through said wire connection and said router is disclosed in figure 7, element 750, which communicates with the server.

Regarding claim 4, each of the wireless network communication protocols being in a 802.11B, bluetooth, or a home RF technique is disclosed in paragraph 50.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Fillebrown.

Regarding claim 3, each of said wireless network interfaces being operable to determine said wireless communication protocol used in transmitting said wireless

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packet messages is disclosed in paragraphs 50 and 51 (the network uses various protocols, it must be able to determine the protocol of any particular packet). Receiving said wireless packet messages is disclosed in paragraph 50. Said CPU being operable to decode said wireless packet messages based on said wireless communication protocol used by said wireless packet messages and said rules of said wireless network communication protocols stored in said memory is disclosed in paragraphs 50 and 51 (the network uses various protocols, it must be able to determine the protocol of any particular packet). Claim 3 further discloses deleting the wireless packet messages if the determined wireless communication protocol is not one of said wireless network communication protocols, which is not specifically disclosed in Fillebrown. However, a transceiver would normally not process a packet that is not in a protocol that it understands, because it would not know how to process it. It would have been obvious to one skilled in the art at the time of the invention to delete packets that were not in a recognized protocol. The motivation would be to only process packets that the transceiver recognizes and knows how to process.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cynthia L. Davis whose telephone number is (571) 272-3117. The examiner can normally be reached on Monday-Friday (9-6), alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached at (571) 272-3155. The fax phone number for the organization where this application or proceeding is assigned is (571) 272-3155.


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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Cynthia L. Davis
Examiner
Art Unit 2665

CLD
10/21/2004

CLD
10/21/04


HUY D. VU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600